

VPDES Permitted Outfall Descriptions

Outfall No. 001 - This discharges the effluent from the wastewater treatment plant which includes biologically treated water from the Vegetated Storm Water Lagoon from Drainage area 1.

Outfall No. 002 - Is an alternative discharge point for Outfall 001. There has been no discharge during the last 5 years.

Outfall No. 003 – Stormwater runoff from the southwest end of the employee parking lot Drainage Area 3. Formerly this area had traffic from debone tractor-trailer trucks, but now is only used for employee and visitor parking. This discharge drains toward Route 13 and into Parker Creek.

Outfall No. 004 – Stormwater runoff from the Southeast end of the employee parking lot and some of the processing building roof drains, Drainage Area 4. Tractor-trailer trucks from the deboned meat area pass through this area. This discharge drains toward Route 13 and into Parker Creek.

Outfall No. 007 – This outfall consists of the overflow pipe from the vegetated stormwater lagoon, which is a 2,000,000 gallon holding lagoon. Most all stormwater from the plants industrial areas including the processing and rendering plants, paved areas for truck and trailer parking, garage area is routed to this lagoon. Includes all of the areas that feature an exposure to significant raw material. This lagoon is designed to hold a 100 year storm. The stormwater that flows into the stormwater lagoon is pumped to the complex #1 plant site liftstation which also receives all other wastewater from the processing plant and rendering plant, which is then pumped to the head of the facilities Wastewater treatment plant and is treated in the treatment plant then the effluent is discharged to outfall 001. The stormwater lagoon is large enough that the precipitation from most all storm events may be contained entirely. However in the event that the stormwater lagoon overflows, outfall 007 would be the point of discharge of the overflow waters into Parker creek.

Old Stormwater outfalls no longer permitted.

Outfall No. 005 – 006 these outfalls consist of stormwater runoff from agricultural fields that discharge into Parker Creek.

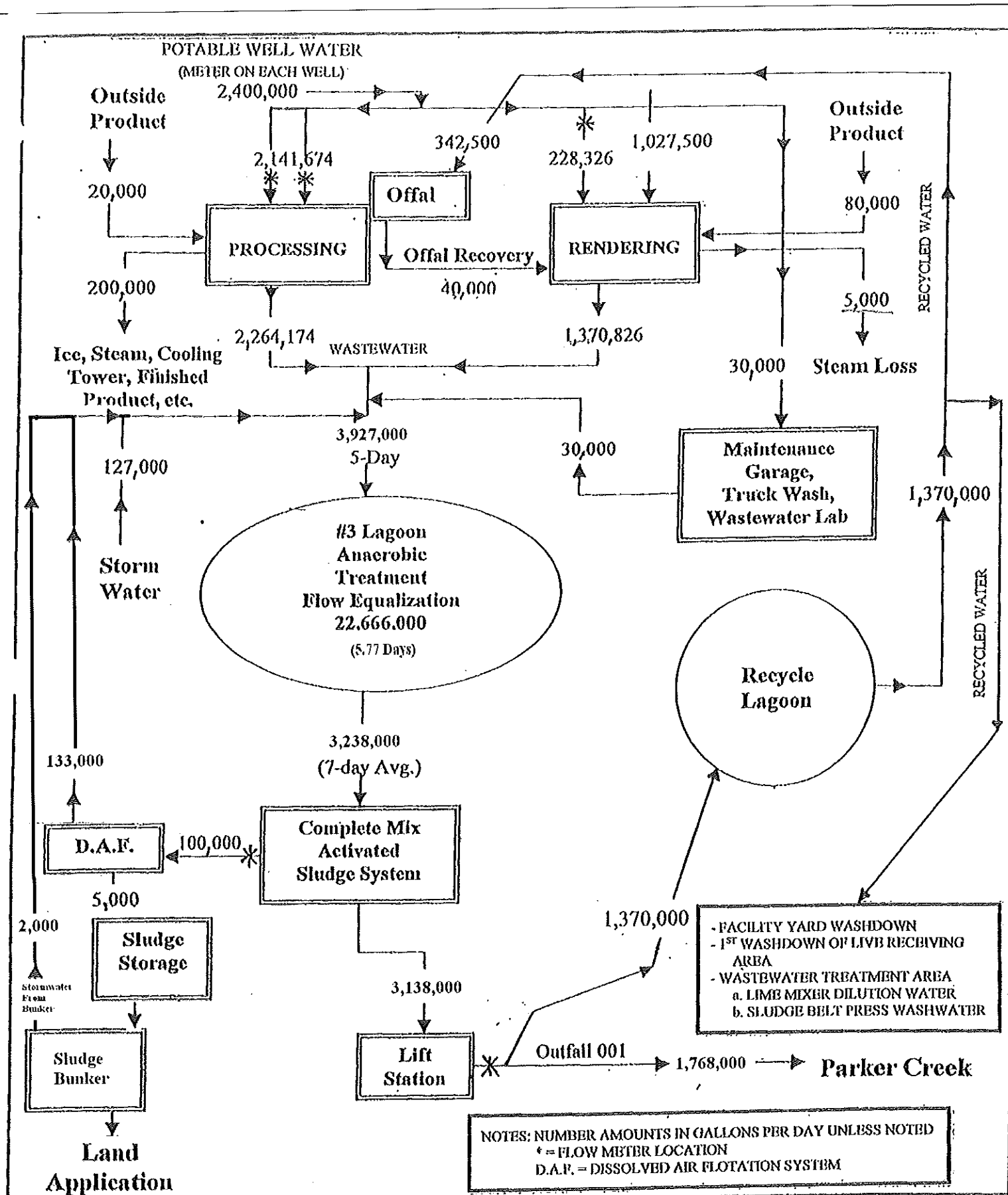
Outfall No. 008 – This outfall is for drainage area 8 which consists of stormwater runoff from the abandoned sludge drying bed area and surrounding wooded area.

Outfall No. 009 Stormwater runoff from agricultural fields. The drainage from this area flows into an unnamed tributary that flows into Folly Creek.

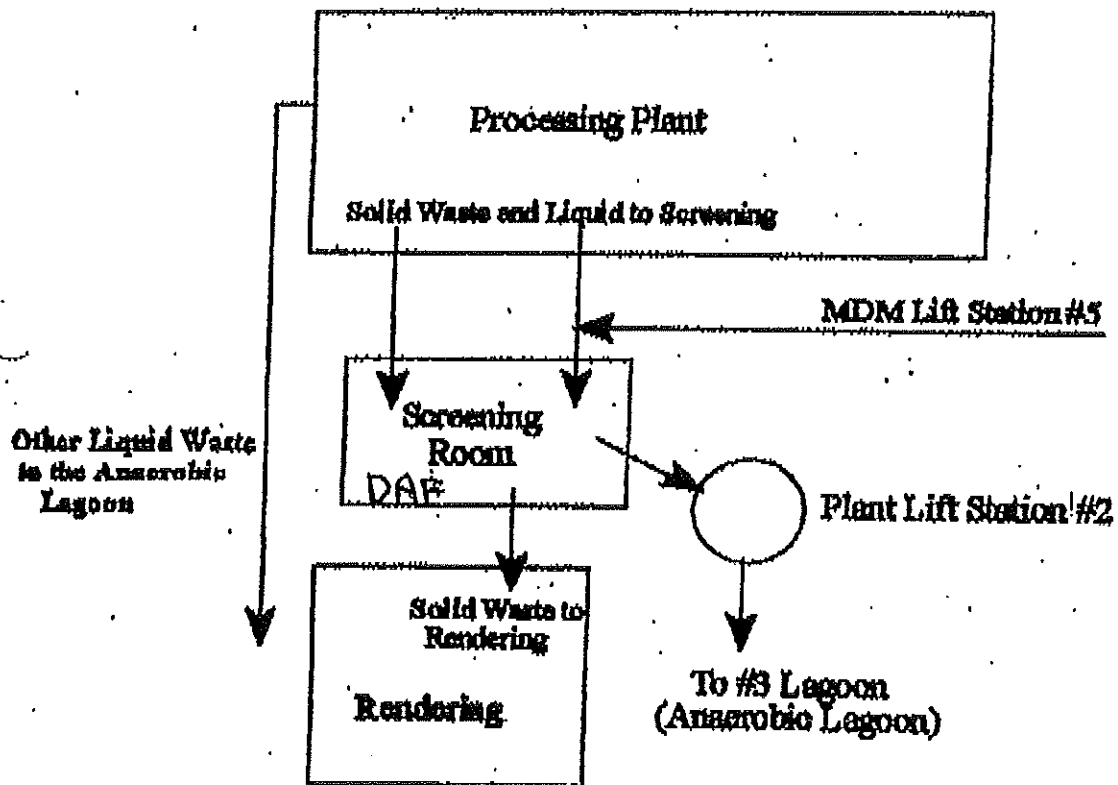
Location Used	Chemical	Average Stored	
Plant	Carbon Dioxide	60000	Lbs
	Chemtreat BL-4356	40	Gal
	Chemtreat CL-1446	120	Gal
	Chemtreat F-55	50	Gal
	Chemtreat BL-1544	40	Gal
	Chemtreat B-120	300	Lbs
	Chemtreat B-121	300	Lbs
	Chemtreat B-141	300	Lbs
	Purate	1000	Gal
	Chlorine	110	Lbs
	Oil-Rando 1659	7356	Lbs
	Videojet-Inksource 168420	36	Gal
	Videojet-Inksource 168425	36	Gal
	Liquid Caustic soda 50%	660	Gal
	610 Synthetic Lubrication fluid	458.9	Lbs
	Chempak Cutting Oil	200	Lbs
	Cleaner Power Plus	130.2	Lbs
	Mineral Oil	780.2	Lbs
	Oil-drydene Paradene AW Hydraulic	3584.4	Lbs
	Rave Hi-Lube	2277.6	Lbs
	Sanova SAS 10%	4000	Gal
	Sodium Chlorite Sol 25%	4000	Gal
	Zerice 68	1028	Lbs
	Marination	1000	Lbs
	Jack Battery - Lead	145,800	Lbs
	jack Battery - Sulfuric Acid	1410	Lbs
	Molybdate Reagent	50	Oz
	Prochlor	200	Gal
	Prosolv cleaining liquid	325	Gal
Refrigeration	Z Dynachlor	250	Gal
	No. 6 Fuel Oil	20000	Gal
	Anhydrous Ammonia	59642	Lbs
	Carbon Dioxide	25000	Lbs
	Ethylene Glycol	511.7	Lbs
	Phosphoric Acid	727	Lbs
	Zerice 68	807.7	Lbs
Garage	Kerosene K-1	275	Gal
	Lead Free Gas	550	Gal
	No.2 Fuel Oli	15000	Gal
	Refrigeration Oil	25	Gal
	Windshield Washer	25	Gal
	Afco 5501 Hand Soap	50.6	Lbs

Location Used	Chemical	Average Stored	
	Drydene HD Lithium EP Grease	600	Lbs
	Drydene Syn Gear GL-5 Lub	121.3	Lbs
	Manammonium Phosphate - Fir	300	Lbs
	Oil - Blue Hydraulic 10	1998.3	Lbs
	Oil Drydene Diesel All	600	Lbs
	Oil Drydene Syn-Gear CD-50	422.2	Lbs
	Prestone Antifreeze	917.9	Lbs
	Propane	4236.5	Lbs
	Super HDX multi-vis 10W40	5885.2	Lbs
	Super Heavy Duty Brake Fluid	17.2	Lbs
	Universal Tractor Fluid	36.5	Lbs
Rendering	Sodium Tartrate Dihydrate	1000	Gal
	Caustic Soda Liquid All Grades	520	Gal
	Chemtreat CL-2150	40	Gal
	Chemtreat CL-25	55	Gal
	Chemtreat CL-4800	40	Gal
	Chemtreat BL-1544	100	Gal
	Dow Antifoam 1520	825	Gal
	No. 2 Fuel	15000	Gal
	No. 6 Fuel	30000	Gal
	Oil Rando 1659 HD	250	Gal
	Oil Lube	550	Gal
	R&O Hydraulic Oil ISO 68	200	Gal
	Santoquin Mixture 6 Preservative	600	Gal
	Sodium Hypochlorite 15%	5000	Gal
	Advantage Plus 1400 Inhibitor	1028	Lbs
	Pet Ox Liquid	197.1	Lbs
	Sodium Chloride	20000	lbs
	Chemtreat BL-4356	300	Gal
	Chemtreat CL-1446	350	Gal
	Chemtreat F-55	50	Gal
	Purate	1000	Gal
	Chemtreat B-120	800	Lbs
	Chemtreat B-141	500	Lbs
	Sulfuric Acid 77-100%	1400	Gal
Wastewater	Poultry Grease	588787	Lbs
	Propane	600	Lbs
	Chemtreat P-838E	800	Gal
	Sodium Aluminate 32%	4000	Gal
	Sodium Hypochlorite 12.5%	3500	Gal
	Hydrated Lime	48000	Lbs
	Sodium Bisulfite Solution 28%	1650	Gal

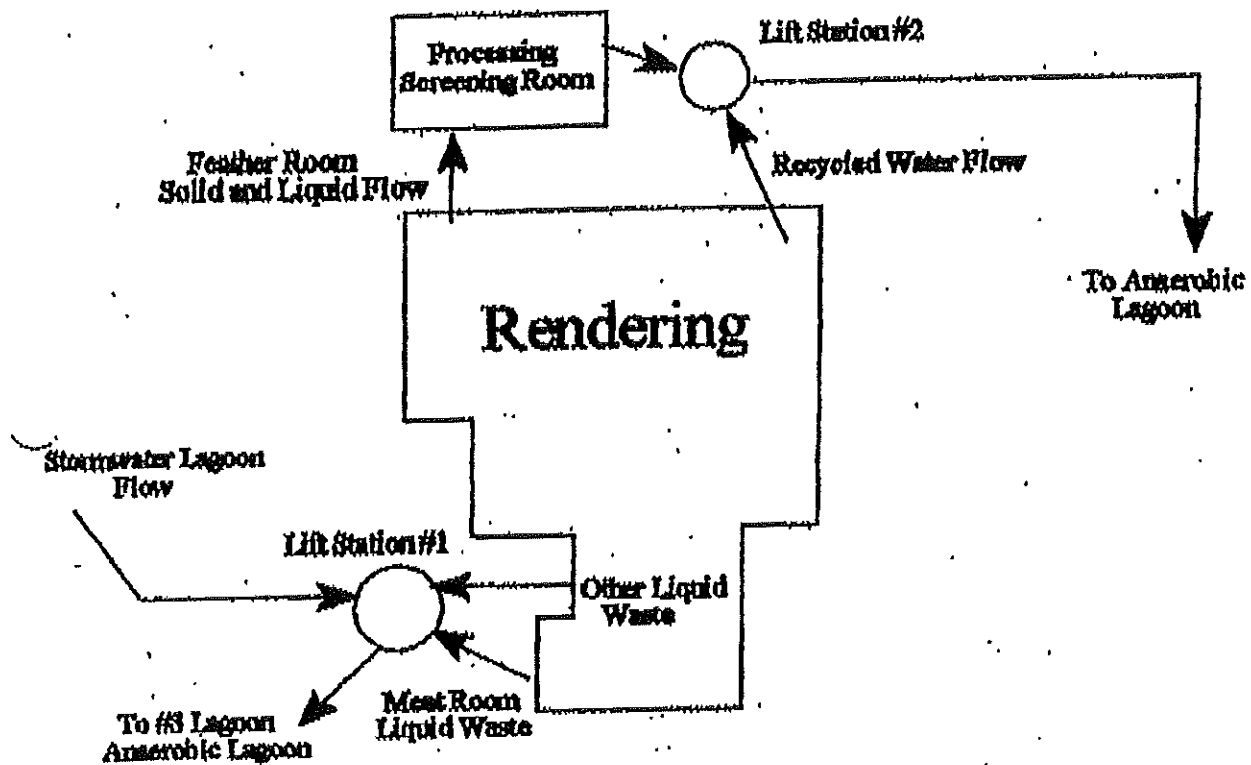
Location Used	Chemical	Average Stored	
	Sodium Hydroxide 50%	1650	Gal
	Diesel Fuel	1250	Gal
	Glycerine	6000	Gal
	No. 2 Fuel	1000	Gal
	Polyaluminum Chloride Sol	4100	Gal



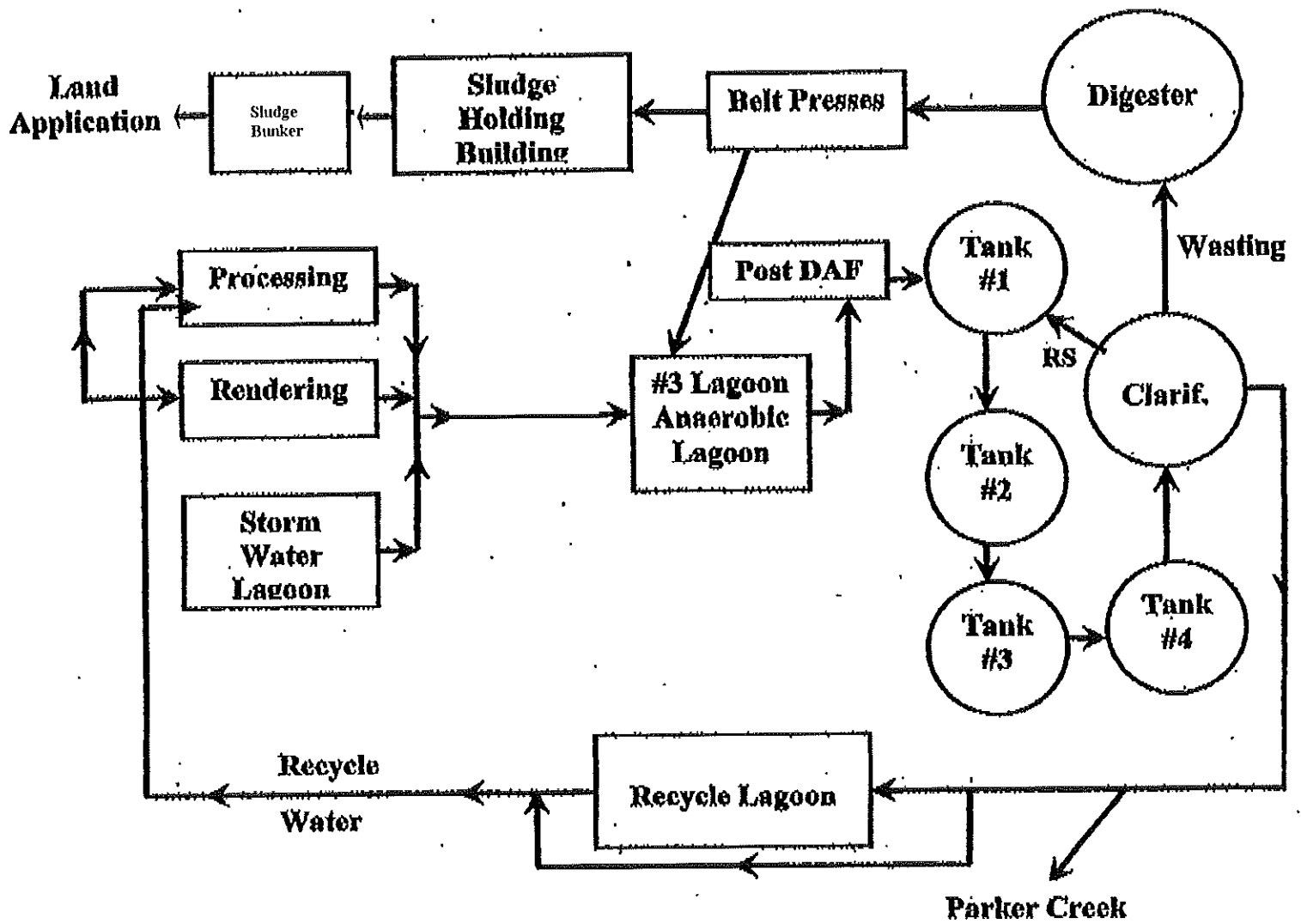
Processing Flow



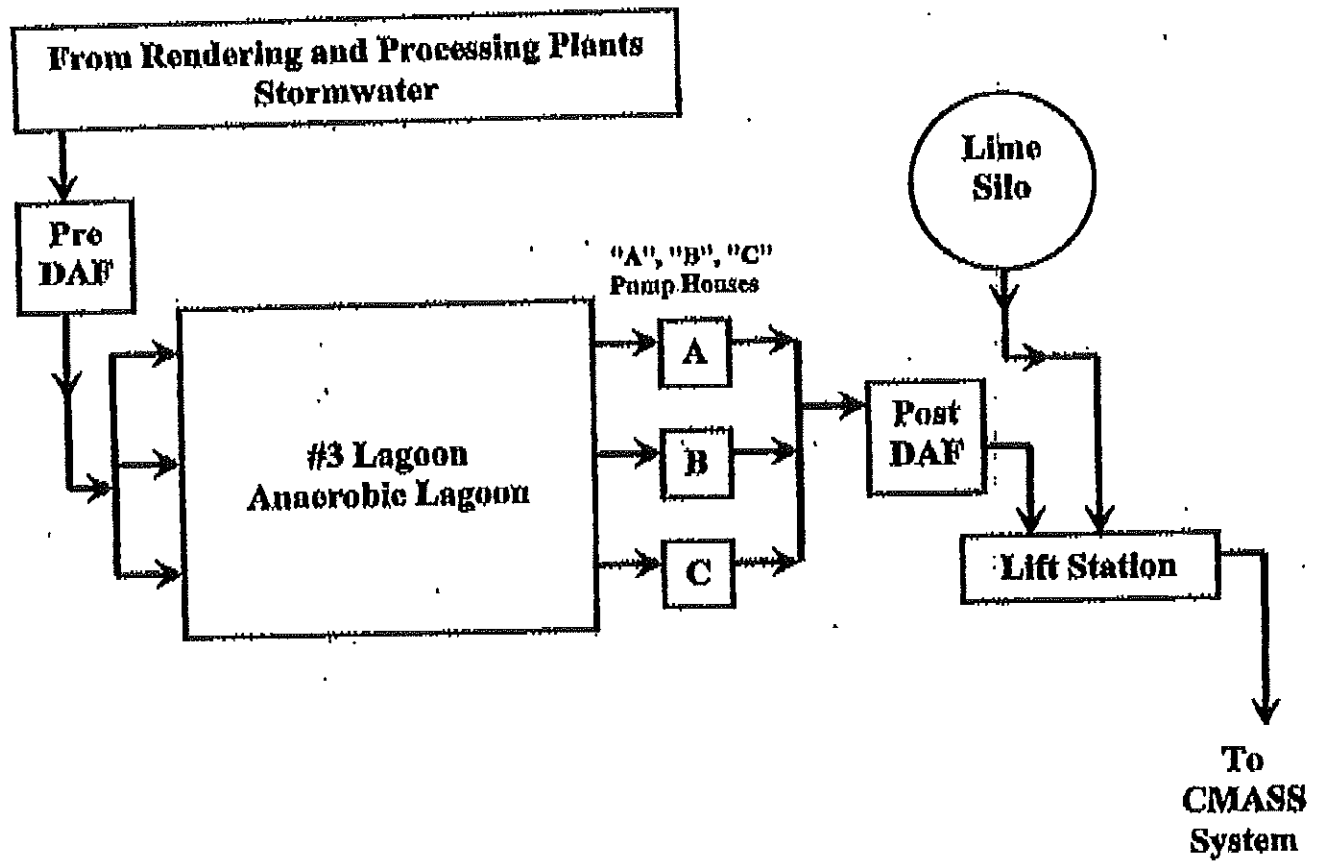
Rendering Waste Flow



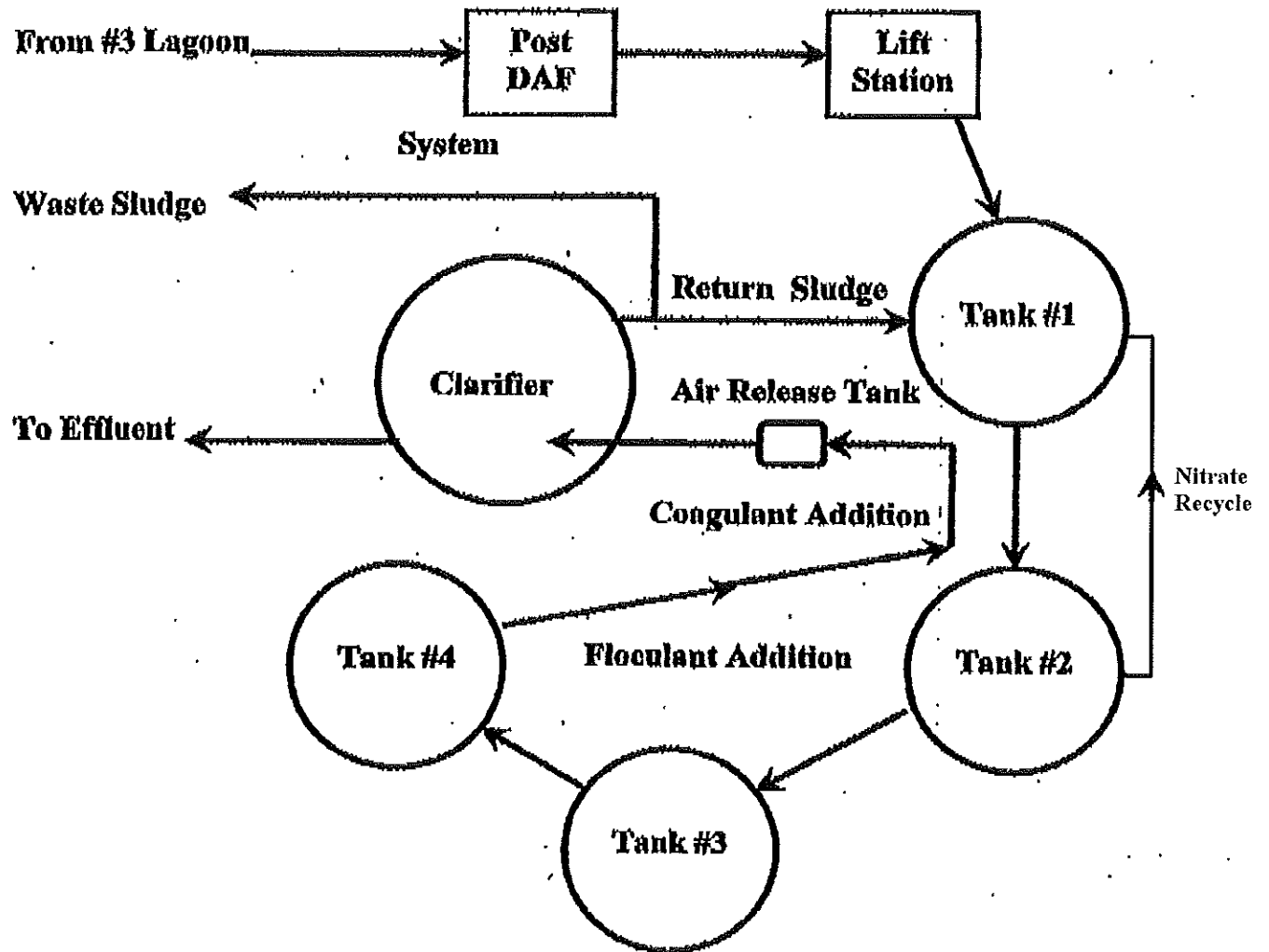
The Wastewater System



Anaerobic Process



CMASS Process



Disinfection System

